

FIG. 1

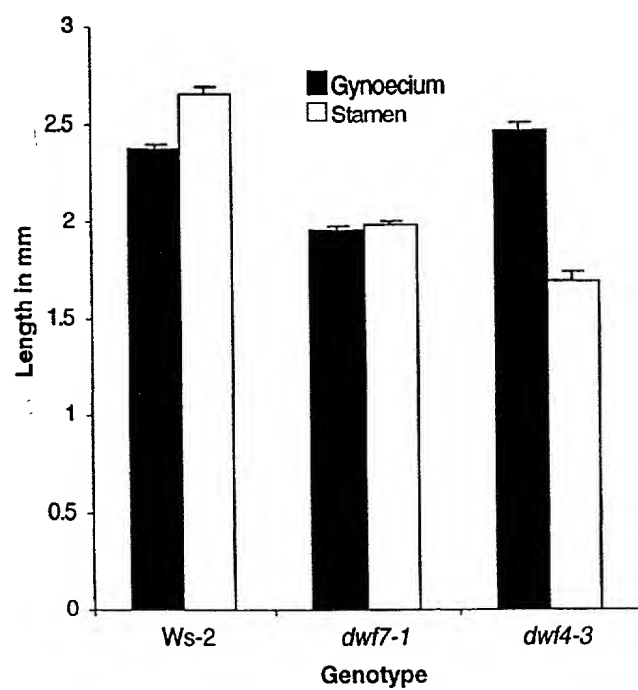


FIG. 2

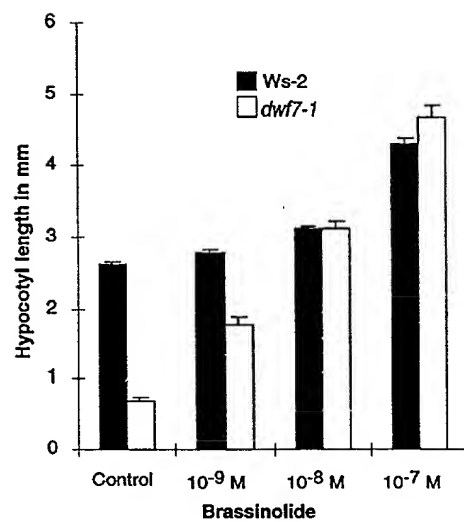


FIG. 3

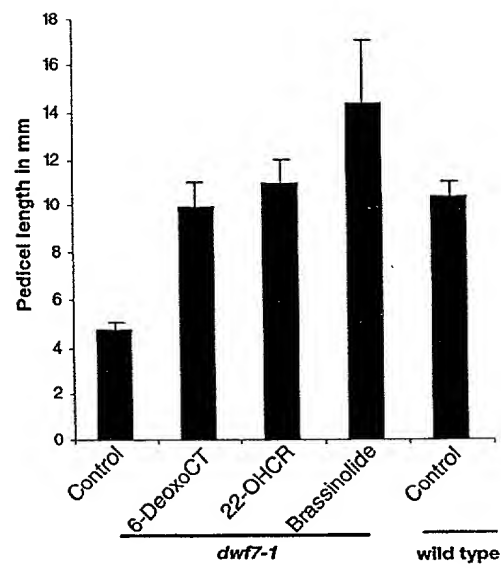


FIG. 4

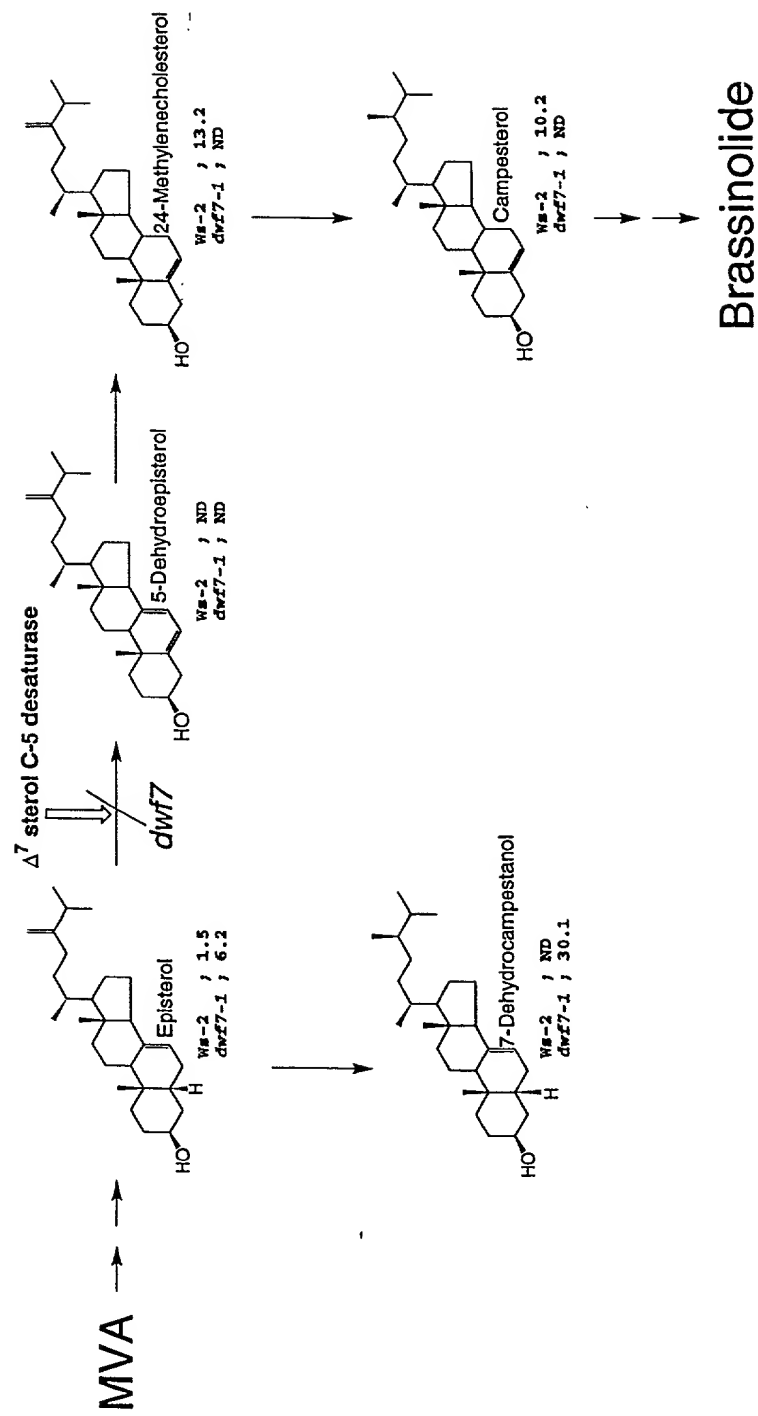


FIG. 5

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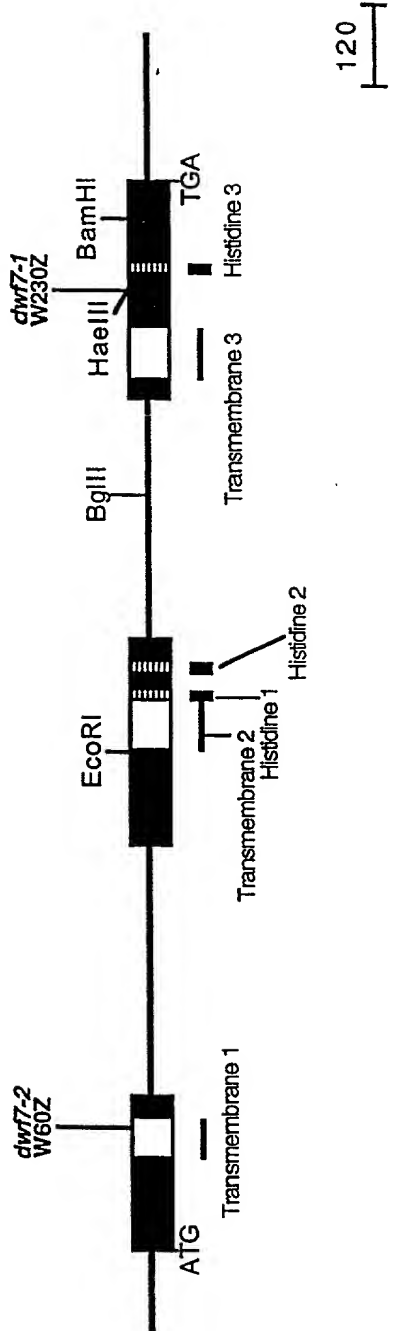


FIG. 6

1 10 20 30 40
MDLVLETL DHYI FDDYAKIA PVELQRGIDSLVNALSLNKI VSNSTL
MDVLEADHYVLDL YAKVL PASLAANI PVKWKLLGLN SGFNSL
MDVVLQYADKYVFDTFY GKI- - - - AESFDS- - - SSFA-NTAVI-NST-
mdlvle-adhyvldd-yaki-p--la--id-s---l-ln- vsnst-

50 60 70 80 90 100 110
 HETLSITNSLKRNVKDVYGLTPFLPDMTEKTY-----ASLLPRNNLIR-----FFSLWAV
 QETLSNKNVAVKCRRFYQVTPFLPDMSTTSF-----ASLLPRSSILR-----PFLSWVT
 --TLGL--AEKVN-----FAI--T-----SGLLDNNVWR-----QFTSLFL
 -----MAADNAYLMQVDETSTFYNNRIVLSHLLPANLWEPLR-----HFLQTLWL
 -etl--n--k-vn--yg--pflfdtetsf-----sllprnnlwr-----eFLSLWL

120 130 140 150 160 170
 VTFGLLLYLTASLTSYVVFVDFRTISFFNHHPK---VLKNQMYLEIKLAVSAIPWMSMLT
 VTFGLLLYLTASLTSYVVFVDFRTISFFNHHPK---VLKNQMYLEIKLAVSAIPWMSMLT
 TWLMTGLSVFLTSASELVYVVFVDFRTISFFNHHPK---VLKNQMYLEIKLAVSAIPWMSMLT
 NYLAGTLLYFISGLWC FYIYLLKNEARRHHPK---FLKNQMYLEIKLAVSAIPWMSMLT
 ytlg-L-LIY-f-asf-sy-f-fd--ifnhpk---ylKnqm-leik-Av-aiPwmsIL-T
 Transmembrane 1 *dwt7-2 (W to Z)*

180 190 200 210 220 230
 VPWF ML ELNGYSKLY YDV D - H LGLPKLL LLEVAT FFF FDCGLYLAH RWRWLH - WPRVYKAL
 VPWF VM ELNGHSKLY YDV D - H LGLPKLL LLEVAT FFF FDCGLYLAH RWRWLH - WPRVYKAL
 APWF LA ELRGYGYVM LKLDY D - H YGYEYLF FFSVAT FFF FDCGLYLAH RWRWLH - WPRVYKAL
 VSES MI ELRGWT KCFAS D - H FGWILYLFYV LALFLFSD FLIYWI HRLHRL - LYPAL
 vpwf m-El - Gyskly - kiD - E hG-rkllie - att - f - f - d - gi - y - a - h - w - l - wp - - YkaL
 Transmembrane II His I

[illegible][illegible]

360 370 380 390
 LKMD-KKVLKQAR-ETAAVQVEGGDDTDRVYND-KKKTN
 LRDAKETWDQVQVEHFHKEVEGGDDNDRIYNDPNTKKKN
 LRNE-KLQEQRIAFMETVQY-TVEGKD-DRTY-ASKKDN
 -DSFKKAE-
 l-r-d-kk-e-q-r-et-yi-eveggd-dr-y-d--kk-n

FIG. 7

10 20 30 40
 GAAGATCGATCAATCAATCATCAAACCTCTCTGTGTGCCAC

50 60 70 80 90 100
 41 ATGCATTACT ACTGTTGACT TGTTCAATTA AGGTAAAGTA AGATCAATCC GCGCAATCTT

110 120 130 140 150 160
 101 CTTTCGTTTT CCGGCACCGA TCTCGGTGGA TCTCCGATTG ACATGCCCGC GGTATATGCT

170 180 190 200 210 220
 161 TATCTGATGC AGTTTGTGTA CGAAACCTCT TTTTACACCC GAATCGTTCT GATCATCTT

230 240 250 260 270 280
 221 TTGCCCGCGA ATCATATGGA ACCCTTACCT CATTITCTCC AGACATGGCT CCGAATTAC

290 300 310 320 330 340
 281 CTCGCCGGAA CCTACTATA CTTCATCTCC GGTTCCTCT GGTGCTTCTA CATCTATTAC

L A G T L L Y F I S G F L W C F Y I Y Y

350 360 370 380 390 400
 341 CTTAAATCA AGTTTACCT TCCCAAGGT CTCGACTTTC ACTTTGTAT TCATATTGC

410 420 430 440 450 460
 401 TTATCCCTT TCTATGTTAT CGATTTTCA ATTTAGGAA CAGGCTTCT TCCTGACTG

470 480 490 500 510 520
 461 TACACTAAT TCATTTGAT GTGATAGT CATGTTTCA TTATTCATT ATTGTGCTT

530 540 550 560 570 580
 521 ATTCTCCATC TAAGCGATTG AACATTAGT GCCTATATA ACTTTTGTG CACCCATGA

590 600 610 620 630 640
 581 GAAGTCGTAC ATCTTGAGG TTGATTTTC TACTGCCAT TTAGTCCAC TTAATTGTT

FIG. 8A

641 650 660 670 680 690 700
 TGTGAGTC ATGCTCTACT TTCAGACACA TCTTTTTCT GCTTCTCTGA CACTCTGTCT
 701 710 720 730 740 750 760
 TAGTTTGAAA TCTTTTTTGG TCTGTTTTGC TTCAGATGCA ATTCTCTCAA TAAAGGCTAT
 D A I P T I K A M
 761 770 780 790 800 810 820
 CGGTTGCRA ATGTTTGTCG CATTGACGC TATGCCATCG TACACTCTTC TTCCACTGT
 R L Q M F V A M K A M P W Y T L L P T V
 821 830 840 850 860 870 880
 CTCGACAGT ATGATTGACG GTGGTTGCAC CAAATGTTTT CCTAGCATAG ACCAATTCGG
 S E S M I E R G H T K C F A S I D E F G
 881 890 900 910 920 930 940
 CTGGATTCTG TATTTTGTTT ACATCCCAT CTATCTGTTT TTCGTTGAGT TTGCTATTTA
 W I L Y F V Y I A I Y L V F V E F G I Y
 941 950 960 970 980 990 1000
 TTGATGCGAC ACAGACCTTC ATGACATTAA CCTCTCTAT AAGTATCTCC ATGCCACCCA
 H M H R E L H D I K P L Y K Y L H A T H
 1001 1010 1020 1030 1040
 TCATATCTAC AACAGCAGA ATACACTCTC TCCATTGCC G
 H I Y N K Q H T L S P F A

FIG. 8B

1050 1060 1070 1080
GTAGTGTG TTCAGTTTGT TCTTCTTAG TTCTTGAAG

1090 1100 1110 1120 1130 1140
1081 AGATTGGTAG CATTTAGTTT CTTACCAGAA AACACTTTGT CAGCAGCTGC TTGTACTCCA

1150 1160 1170 1180 1190 1200
1141 AATCAGATTG TGCATTCCTT ATCCATAAGC TAACCAGAAA GGCTAGATTG ATATAATCT

1210 1220 1230 1240 1250 1260
1201 CAGCTGCATT ACTTCACATA TGTACAGAGC ACTTCTGACT TAACCAGATT TTGACTCTTT

1270 1280 1290 1300 1310 1320
1261 GTGTTTCTCT TCTGCTCTCG GACTGATTGG AATGACCGC AACTTCTTTT ATCTACTTCC

1330 1340 1350 1360 1370 1380
1321 CTGGAGTGTA TCTTGATTAA TCCAGCGATG TGACATCTAA TATTACTTGT AACTTCCTTA

1390 1400 1410 1420 1430 1440
1381 CTTTTTGTG TACAGCGCTT GCATTCACG CAGTAGCGG GATACTTCAG GCTGTACCGC

G L A F H P V D G I L Q R V P

1450 1460 1470 1480 1490 1500
1441 ATGTCATAGC GCTGTTTATA GTGCCATTG ATTCACAGC TCATATAGG CTITGCTCA

H V I A L F I V P I H F T T H I G L L F

1510 1520 1530 1540 1550 1560
1501 TGGAGCGAT ATGGACCGG AACATCCATG ACTGCATCCA TGGCACATC TGGCCAGTAA

M E A I W T A N I H D C I H G N I W P V

1570 1580 1590 1600 1610 1620
1561 TGGGTCCAGC ATACCATAGC ATACACACA CGACATACA GCATAACTAT GGTCAATTATA

M C A G Y H T I H H T T Y K H N Y G H Y

FIG. 8C

1621 1630 1640 1650 1660 1670 1680
 CCATATGCAT GCATTCGATG TTGGCTCTC TTAGCGATCC TCTCTACAA GAGATGACA
 T I H M D W H F G S L R D P L L E E D D
 1690 1700 1710 1720 1730 1740
 1681 ACAAGACAC CTCAGGAA GCAGCTGAG ATGCCCACT TCGTTTGT TCTTCTTT
 N K D S F K K A E
 1750 1760 1770 1780 1790 1800
 1741 TGTCTGTGT TGTGTGT TCAAGTTCA GCCTTCTTG TCTTTTCT TCTTCTCT
 1810 1820 1830 1840 1850 1860
 1801 ATTCATGCT CTCTCAGC CTTCCATT ATATCTTAC AACATTTC TGTCTAGTT
 1870 1880 1890
 1861 AAACATGTA ATCTTTGAT GATCTTGA

FIG. 8D

1 MAADNAYLMQ FVDETSFYNR IVLSHLLPAN LWEPLPHFLQ TWLRNYLAGT
51 LLYFISGFLW CFYIYYLKIN VYLPKDAIPT IKAMRLQMFV AMKAMPWYTL
101 LPTVSESMIE RGWTKCFASI DEFGWILYFV YIAIYLVFVE FGIYWMHREL
151 HDIKPLYKYL HATHHIYNKQ NTLSPFAGLA FHPVDGILQA VPHVIALFIV
201 PIHFTTHIGL LFMEAIWTAN IHDCIHGNIW PVMGAGYHTI HHTTYKHNYG
251 HYTIWMDWMF GSLRDPLLEE DDNKDSFKKA E

FIG. 9

10 30 50
 GTTTGGTATTTATTGGATGCACAGAGAGCTTCATGACATTAAGCCTCTCTATAAGTATCT
 CAAACCATAAATAACCTACGTGTCTCTCGAAGTACTGTAATTCGGAGAGATATTCATAGA
 70 90 110
 CCATGCCACCCATCATATCTACAACAAGCAGAATACACTCTCTCCATTTGCCGGTAAGTG
 GGTACGGTGGGTAGTATAGATGTTGTTCTGCTTATGTGAGAGAGGTAAACGGCCATTCAC
 130 150 170
 TTTTCAGTTTGTCTTCTTTAGTTCTTGTAAAAGATTGGTAGCATTTAGTTTCTTACCAG
 AAAAGTCAAACAAGAAGAAATCAAGAACATTTTCTAACCATCGTAAATCAAAGAATGGTC
 190 210 230
 AAAAGACTTTGTGTCAGCAGCTGCTTGTACTCCAAATCACATTTTGCATTCTTATCCATAA
 TTTTCTGAAACAGTCGTCGACGAACATGAGGTTTAGTGTAACGTAAGGAATAGGTATT
 250 270 290
 AGTAACCAGAAAGGCTAGAATTATATAAATGTCAGCTGCATTACTTCACATATGTCAGAG
 TCATTGGTCTTTCCGATCTTAATATATTTACAGTCGACGTAATGAAGTGTATACAGTCTC
 310 330 350
 AGACTTCTGACTTAACCAGAGTTTAGATCTTTGTGTTTCTTCTGGTCTCGGACTGATT
 TCTGAAGACTGAATTGGTCTCAAATCTAGAAACACAAAGAGAAGACCAGAGCCTGACTAA
 370 390 410
 GGAAATGACGAGAAGTTCTTTTATCTACTTCCCTGGAGTGTATCTTGGTTAATCCAAGGA
 CCTTTACTGCTCTTCAAGAAAATAGATGAAGGGACCTCACATAGAACCAATTAGGTTCTT
 430 450 470
 TGTGACATCTAAATATTACTTGTAACCTTACGTTTTTGTGTTACAGGGCTTGCAATTCA
 ACACTGTAGATTTATAATGAACATTGAAGGAATGCAAAAACAAATGTCCCGAACGTAAGT
 490 510 530
 CCCAGTAGACGGGATACTTAAGGCTGTACCGCATGTGATAGCGCTGTTATAGTGCCAATT
 GGGTCATCTGCCCTATGAATTCGACATGGCGTACACTATCGCGACAATATCACGGTTAA
 550 570 590
 CATTTCACTCATATAGGTCTTTTGTTCATGGAAGCGATATGGACGGCGAACATCCAT
 GTAAAGTGTGAGTATATCCAGAAAACAAGTACCTTCGCTATACCTGCCGCTTGTTAGGTA

FIG. 10A

610	630	650
GACTGCATCCATGGCAACATCTGGCCAGTAATGGGTGCAGGATACCATACGATACACCAC		
CTGACGTAGGTACCGTTGTAGACCGGTCATTACCCACGTCTATGGTATGCTATGTGGTG		
670	690	710
ACGACATACAAGCATAACTATGGTCATTATACCATATGGATGGATTGGATGTTTGGCTCT		
TGCTGTATGTTTCGTATTGATACCAGTAATATGGTATACCTACCTAACCTACAAACCGAGA		
730	750	770
CTTAGGGATCCTCTCTTAGAAGAAGATGACAACAAAGACAGCTTCAAGAAAGCAGAGTGA		
GAATCCCTAGGAGAGAATCTTCTTCTACTGTTGTTTCTGTCTGAAGTTCTTTCGTCTCACT		
790	810	830
GAATGCCCACTTGGGTTTTGTTCTTCTGTTTTGTCTTGTGTTGTTGTTGTTCAAAGTTTC		
CTTACGGGTGAACCCAAAACAAGAAGACAAAACAGAACACAACAACAAGTTTCAAAG		
850	870	890
AGCCTTTCCTGTTCTTTTTCTTCTTCTTCTTATTTCATGTGTCTCTCTCAACCTTCCAAT		
TCGGAAGAACAAGAAAAAGAAGAAGAATAAGTACACAGAGAGAGTTGGAAAGGTTA		
910	930	950
TATATTGTTACAAACATTTGCTGTCTAGTTTAAAACATGTAAATGTTTGATGATCTTTGC		
ATATAACAATGTTTGTAACGACAGATCAAATTTTGTACATTTACAACTACTAGAAACG		
970	990	1010
AAGACTCCATTTTGTGTTAAGGTAAACCTTGAATCTCATAGATTGTGCGATTGTTGGTATT		
TTCTGAGGTAAAAACAAATTCCATTTGGAACCTAGAGTATCTAACAGCTAACAAACCATAA		
1030	1050	1070
TCCATTTTCAGGTACGGTTCTGTAGACTGTAGTCTTGCTGACCAGTCCGGCTTAACCACC		
AGGTAAAAGTCCATGCCAAGACATCTGACATCAGAACGACTGGTCAGGCCGAATTGGTGG		
1090	1110	1130
CCAAATTTCAAAGATCTCAcCAATCAAAATGCTGGCTGGCCCCAATATATAGATGGGCCA		
GGTTTAAAGTTTCTAGAGTgGTTAGTTTTACGACCGACCGGGGTATATATCTACCCGGT		
1150	1170	1190
GTTAATCCGTCTAGCTTTACTCTTTAGACCTACCTTAGACAGTTAGACACCTGCTAATTA		
CAATTAGGCAGATCGAAATGAGAAATCTGGATGGAATCTGTCAATCTGTGGACGATTAAT		

FIG. 10B

1210	1230	1250
ATGAGTTTCCTTTTCTTGTTTCAGCAAGTTACCTGTGTTACTTGAGAGTTGAGTTAATGG TACTCAAAGGAAAAAGAACAAGTCGTTCAATGGACACAATGAACTCTCAACTCAATTACC		
1270	1290	1310
TAGTAAACGCAATTTAACCCTTATAAGTTTAAATCGTATTCAACGAATGACCCAGAGACTT ATCATTTCGCTTAAATTGGGAATATTCAAATTAGCATAAGTTGCTTACTGGGTCTCTGAA		
1330	1350	1370
TAAATAAATCCATCGTAACCCTCCACTTCAAAATCTTTTAAAAAGTAGCAAATCATT ATTTATTTAGGTAGCATTGGGAGGTGAAGTTTAAAGAAAAATTTTCATCGTTTAGTAAA		
1390	1410	1430
AAATATTGTAAGTTTGCTTCATTTCGAAATTGTAGCTACAGATCTCAAAGCTCCTCCTGTT TTTATAACATTCAAACGAAGTAAGCTTTAACATCGATGTCTAGAGTTTCGAGGAGGACAA		
1450	1470	1490
GGCCATATCTCTCTAACAACGCATAGTAACACTTGACCACAGTTTGACTTCTCGGCG CCGGTATAGAGAGAGATTGTTTTCGCTATCATTGTGAAGTGGTGTCAAAGTGAAGAGCCGC		
1510	1530	1550
GTTTCATGGCGCGACTATGGCAGATTATAATGATCAGATCGTCAATGAGACCTCTTTTT CAAAGTACCGCCGCTGATACCGTCTAATATTACTAGTCTAGCAGTTACTCTGGAGAAAAA M A A T M A D Y N D Q I V N E T S F Y		
1570	1590	1610
ACAACCGAATGGTTCTGAGTCACCTTTTGCCGgTGAATCTATGGGAACCTTTACCaCATT TGTTGGCTTaCCAAGACTCAGTGGAAAACGGCcACTTAGATACCCTTGGAATGGtGTAA N R M V L S H L L P V N L W E P L P H F		
1630	1650	1670
TCCTCCAGACATGGCTCCGGAACCTCGCCGGAACATACTCTACTTCATCTCCGGCT AGGAGGTCTGTACCGAGGCCTTGATGGAGCGGCCTTTGTATGAGATGAAGTAGAGGCCGA L Q T W L R N Y L A G N I L Y F I S G F		
1690	1710	1730
TCCTCTGGTGCTTCTACATCTATTACCTTAAACTCAACGTTTACGTCCCCAAAGGTTACT AGGAGACCACGAAGATGTAGATAATGGAATTTGAGTTGCAAATGCAGGGGTTTCCAATGA L W C F Y I Y Y L K L N V Y V P K		

FIG. 10C

1750 1770 1790
 TTTTCAATTTTCGATGTTCTGTTTTGAAACCTTTCTTTTGTTGATTCCCTTCGATTGTATC
 AAAAAGTTAAAGCTACAAGACAAAACCTTTGGAAAGAAAACAATAAGGAAGCTAACATAG
 1810 1830 1850
 GCCTGATAGATTGTGTTATACGTTAACCTTTTTTCTTACTGTTACTTTTCAGTTCTTGTC
 CGGACTATCTAACACAATATGCAATTGGAAAAAAGAATGACAATGAAAGTCAAGAACAG
 1870 1890 1910
 TTCTACTTCTCATTTAATTAGTTTTAAAGTTTAATATTTTTGGCTAATCCACATTTTTTA
 AAGATGAAGAGTAAATTAATCAAAATTTCAAATTATAAAAAACCGATTAGGTGTAAAAAAT
 1930 1950 1970
 AGTTGAATCTTCCATGAAATTTGAGCTCAAAATATACCATGAAATTGAAATTTGTGGTTC
 TCAACTTAGAAGGTACTTTAAACTCGAGTTTTATATGGTACTTTAACTTTAAACACCAAG
 1990 2010 2030
 TTAGTTCTATTTCTTGCTTGGTTTTCTTCTATTTTTGTGGTTAGAATCCATTCCTACGAGA
 AATCAAGATAAAGAACGAACCAAAGAAGATAAAAAACCAATCTTAGGTAAGGATGCTCT
 E S I P T R
 2050 2070 2090
 AAGGCAATGCTTTTGCAAATATACGTGGCAATGAAGGCTATGCCCTGGTACACTCTTCTT
 TTCCGTTACGAAAACGTTTATATGCACCGTTACTTCCGATACGGAACCATGTGAGAAGAA
 K A M L L Q I Y V A M K A M P W Y T L L
 2110 2130 2150
 CCAGCTGCTCTGAGTATATGATCGAGCATGGTTGGACCAAATGTTACTCTACACTTGAC
 GGTGACAGAGACTCATATACTAGCTCGTACCAACCTGGTTTACAATGAGATGTGAAC TG
 P A V S E Y M I E H G W T K C Y S T L D
 2170 2190 2210
 CATTTCAACTGGTTCCCTCTGTTTCCTCTACATAGCTCTCTATCTTGTTTTAGTTGAGTTT
 GTAAAGTTGACCAAGGAGACAAAGGAGATGTATCGAGAGATAGAACAAAATCAACTCAAA
 H F N W F L C F L Y I A L Y L V L V E F
 2230 2250 2270
 ATGATTTATTGGGTTCAAAAAGAGCTTCATGACATTAAATTTCTCTATAAGCATCTCCAT
 TACTAAATAACCCAAGTGTTCGGAAGTACTGTAATTTAAAGAGATATTCGTAGAGGTA
 M I Y W V H K E L H D I K F L Y K H L H

FIG. 10D

2290 2310 2330
 GCTACCCATCATATGTACAACAAGCAAAACACACTCTCTCCATTTGCCGGTATGTCAAAG
 CGATGGGTAGTATACATGTTGTTTCGTTTTGTGTGAGAGAGGTAAACGGCCATACAGTTTC
 A T H H M Y N K Q N T L S P F A

2350 2370 2390
 CTATATGTTCTCAATCTAAATTCAAGAGCTTGTATCAATGGTGACTTCTTTACTTGATGT
 GATATACAAGAGTTAGATTTAAGTTCTCGAACATAGTTACCACTGAAGAAATGAACTACA

2410 2430 2450
 TTTTCGGGTTTTTCAGGGCTCGCATTCCATCCGCTGGACGGGATACTTCAGGCCTATACCGC
 AAAAGCCCCAAAAGTCCCCGAGCGTAAGGTAGGCGACCTGCCCTATGAAGTCCGATATGGCG
 G L A F H P L D G I L Q A I P H

2470 2490 2510
 ACGTGATAGCGCTGTTTATAGTGCCGATTTCATCTCATAACACATCTGAGTCTTTTGTITT
 TGCCTATCGCGACAAATATCACGGCTAAGTAGAGTATTGTGTAGACTCAGAAAACAAAA
 V I A L F I V P I H L I T H L S L L F L

2530 2550 2570
 TGGAAGGGATATGGACAGCAAGCATCCATGATTGCATACATGGTAACATCTGGCCTATAA
 ACCTTCCCTATACCTGTCCTTCCTAGCTACTAACGTATGTACCAATTGTAGACCCGATATT
 E G I W T A S I H D C I H G N I W P I M

2590 2610 2630
 TGGGTGCAGGATACCATACCATACACCATAACAACATAACAAGCATAACTATGGTCATTATA
 ACCCACGTCCTATGGTATGGTATGTGGTATGTTGTATGTTTCGTATTGATACCAGTAATA
 G A G Y H T I H H T T Y K H N Y G H Y T

2650 2670 2690
 CCATATGGATGGaCTGGATGTTTGGCTCTCTTATGGTTCCTTTAGCAGAAAAAGACAGTT
 GGTATACCTACCtGACCTACAAACCGAGAGAATACCAAGGAAATCGTCTTTTTCTGTCAA
 I W M D W M F G S L M V P L A E K D S F

2710 2730 2750
 TCAAGGAGAAAGAAAAGTGAGAATGTTCAATGCTCACATGTATTCTTCATATGTTGCTCT
 AGTTCTCTTTCTTTTCACTCTTACAAGTTACGAGTGACATAAGAAGTATACAACGAGA
 K E K E K *

2770 2790 2810
 TCTCGTGACTCTTATTAAAAACCTTTCTAATCACTTTGGTGGAATTAAAAACATGACTGCA
 AGAGCACTGAGAATAATTTTGGAAAGATTAGTGAAACCACCTTAATTTTGTACTGACGT

FIG. 10E

2830 2850 2870
TAATTTGATGCAAAGTTTCAGACTTTTATTGCTAAAAATCTCTGATGATTATTAACCTCA
ATTAAACTACGTTTCAAAGTCTGAAAATAACGATTTTTAGAGACTACTAATAATTGGAGT

2890 2910
ATTATATAATTGcTGGATGAAGAGTTCAAATTTGGACTAAATCTG
TAATATATTAACgACCTACTTCTCAAGTTTAAACCTGATTTAGAC

FIG. 10F

1 maatmadynd qivnetsfyn rmlshllpv nlweplphfl qtwlrnylag
51 nilyfisgfl wcfyiyylkl nvyvpkesip trkamllqiy vamkampwyt
101 llpavseymi ehgwtkcyst ldhfnwflcf lyialylvlv efmiywvhke
151 lhdikflykh lhathhmynk qntlspfagl afhpldgilq aiphvialfi
201 vpihlithls llflegiwta sihdcihgni wpimgagyht ihhttykhny
251 ghytiwmdwm fgslmvplae kdsfkekek

FIG. 11